west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475 • FAX: (304) 926-0479

Jim Justice, Governor
Austin Caperton, Cabinet Secretary
www.dep.wv.gov

January 19, 2017

CERTIFIED MAIL
7199 9991 7034 1382 2657

Brian Osbourne, Senior Vice President of Operations
Coresco, LLC
103 Corporate Drive, Suite 102
Morgantown, WV 26505

Re: Application Status: Approved
Coresco, LLC
Maidsville Coal Preparation Plant
Registration Application G10-D102G
Plant ID No. 061-00161

Dear Mr. Osbourne:

Your application for a General Permit G10-D registration to modify a wet wash coal preparation plant as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed registration G10-D102G is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

A copy of the complete General Permit G10-D may be obtained from the DAQ's website at the following address: http://www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx.

This permit does not affect 45CSR30 applicability. The source is a nonmajor source subject to 45CSR30.

In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions, please contact me at (304) 926-0499, ext. 1210.

Sincerely,

Daniel P. Roberts, Engineer Trainee
NSR Permitting Section

Enclosures

c: Randall Maggard, Authorized Representative
Jennie Henthorn, Henthorn Environmental Services

West Virginia Department of Environmental Protection
Division of Air Quality

Jim Justice
Governor

Austin Caperton
Cabinet Secretary

Class II General Permit G10-D Registration for a Class II Administrative Update

for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation,
Administrative Update and Operation of
Coal Preparation Plants and Coal Handling Operations

The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of General Permit G10-D.

G10-D102G

Issued to:
Coresco, LLC
Maidsville Coal Preparation Plant
061-00161

William F. Durham
Director

Effective: January 19, 2017

This Class II General Permit Registration will supercede and replace registration G10-D102F approved on December 18, 2014.

Facility Location:	Maidsville, Monongalia County, West Virginia
Mailing Address:	103 Corporate Drive, Suite 102, Morgantown, WV 26505
Facility Description:	Wet Wash Coal Preparation Plant
SIC Codes:	1221 (Bituminous Coal & Lignite - Surface) 1222 (Bituminous Coal & Lignite - Underground)
NAICS Codes:	212111 (Bituminous Coal and Lignite Surface Mining) 212112 (Bituminous Coal Underground Mining)
UTM Coordinates:	588.7 km Easting • 4395.4 km Northing • Zone 17
Lat/Lon Coordinates:	Latitude 39.703850 • Longitude -79.965333 • NAD83
Registration Type:	Class II Administrative Update
Description of Change:	Modification to increase the raw coal throughput over existing belt conveyors BC-1, BC-9, and BC-12 from 3,000,000 TPY to 5,020,000 TPY. The maximum hourly throughput rates for these pieces of equipment will remain unchanged at 950 TPH. These belt conveyors receive raw coal from mining operations in Pennsylvania and transfer it back offsite to the Longview Power, LLC power plant.

Subject to 40CFR60 Subpart Y? Yes
Subject to 40CFR60 Subpart IIII? No
Subject to 40CFR60 Subpart JJJJ? No

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

This permit does not affect 45CSR30 applicability. The source is a nonmajor source subject to 45CSR30.

All registered facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

The following sections of Class II General Permit G10-D apply to the registrant:

Section 5	Coal Preparation and Processing Plants and Coal Handling Operations	☐☑
Section 6	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after October 27, 1974, and on or before April 27, 2008 (40CFR60 Subpart Y)	☐
Section 7	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after April 28, 2008, and on or before May 27, 2009 (40CFR60 Subpart Y)	☐
Section 8	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after May 27, 2009 (40CFR60 Subpart Y)	☐☑
Section 9	Reciprocating Internal Combustion Engines (R.I.C.E.)	☐
Section 10	Tanks	☐☑
Section 11	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)	☐
Section 12	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)	☐

Emission Units

Equipment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Description	Maximum Capacity		Control Equipment [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID. No.	Control Equipment [3]
Raw Coal Circuit									
BC-1	M 2017 C 8/2010	5 and 8	36" Pennsylvania to West Virginia Overland Conveyor receives raw coal from PA and transfers to open stockpile SP-1 via conveyor RS1 or transfers to belt conveyor BC-9	950	5,020,000	PE	A	TP-1	FE
RS-1	C 11/2009	5 and 8	42" Radial Stacker receives raw coal to be cleaned from overland conveyor BC-1 and transfers to open stockpile SP-1	950	3,000,000	PE	B A	TP-1 TP-2	FE MD
SP-1	C 6/2009	5 and 8	Open Raw Coal Storage Stockpile - maximum 35,000 tons capacity, 120,000 (TYPO) ft^2 base area and 51' height - receives raw coal to be cleaned via radial stacker RS-1. Raw coal is then transferred to the preparation plant by endloader/trucks.	950	3,000,000	N	B A	TP-2 TP-43	MD MD
SP-7	M 11/2010 C 8/2009	5 and 8	Open Raw Coal/Clean Coal Storage Stockpile - maximum 315,000 tons capacity, 272,000 ft^2 base area and 50' height - receives raw coal/clean coal from trucks. Raw coal is then transferred as required by endloader/dozer.	600	5,256,000	N	B A	TP-3 TP-34	MD MD
SP-9	C 6/2009	5 and 8	Open Raw Coal/Clean Coal Storage Stockpile - maximum 30,000 tons capacity, 88,000 ft^2 base area and 30' height - receives raw coal/clean coal from trucks. Raw coal is then transferred as required by endloader/dozer.	600	5,256,000	N	B A	TP-3 TP-34	MD MD
SP-10	C 10/2010	5 and 8	Open Raw Coal/Clean Coal Storage Stockpile - maximum 110,000 tons capacity, 100,000 ft^2 base area and 50' height - receives raw coal/clean coal from trucks. Raw coal is then transferred as required by endloader/dozer.	600	5,256,000	N	B A	TP-3 TP-34	MD MD
SP-11	C 10/2010	5 and 8	Open Raw Coal/Clean Coal Storage Stockpile - maximum 345,000 tons capacity, 375,000 ft^2 base area and 50' height - receives raw coal/clean coal from trucks. Raw coal is then transferred as required by endloader/dozer.	600	5,256,000	N	B A	TP-3 TP-34	MD MD
SP-12	M 2014 C 2012	5 and 8	Open Raw Coal/Clean Coal Storage Stockpile - maximum 350,000 tons capacity, 309,276 ft^2 base area and 50' height - receives raw coal/clean coal from trucks. Raw coal is then transferred as required by endloader/dozer.	600	5,256,000	N	B A	TP-3 TP-34	MD MD
Longview Circuit									

Equipment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Description	Maximum Capacity		Control Equipment [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID. No.	Control Equipment [3]
SP-2	M 2014 M 11/2010 C 5/2010	5 and 8	60,000 ft [2] - Open Raw Coal Storage Stockpile - maximum 25,000 tons capacity, 60,000 ft² base area and 20' height - receives raw coal for Longview via trucks. Raw coal is then transferred to feed/breaker FB-2 by endloader/dozer.	600	5,256,000	N	B A	TP-3 TP-34	MD MD
BC-9	M 2017 C 12/2009	5 and 8	42" Belt Conveyor receives raw coal ready for Longview from overland conveyor BC-1 and transfers to belt conveyor BC-12 (To Longview Power Plant) or to belt conveyor BC-10	950	5,020,000	PE	B A	TP-1 TP-29	FE FE
BC-12	M 2017 C 10/2009	5 and 8	42" Longview Belt Conveyor receives raw coal for Longview from belt conveyor BC-9 and belt conveyor BC-11, then transfers offsite to Longview Power Plant	950	5,020,000	PE	B B A	TP-29 TP-33 Offsite	FE FE
BC-10	C 2/2010	5 and 8	42" Belt Conveyor receives raw coal for Longview from belt conveyor BC-9 and transfers to radial stacker RS-2	950	3,000,000	PE	B A	TP-29 TP-30	FE PE
RS-2	C 6/2010	5 and 8	42" Radial Stacker receives raw coal for Longview from belt conveyor BC-10 and transfers onto stockpile SP-5	950	3,000,000	PE	B A	TP-30 TP-31	PE MD
SP-5	M 11/2010 M 2/2010 C 4/2009	5 and 8	Open Raw Coal Storage Stockpile - maximum 300,000 tons capacity, 252,000 ft² base area and 51' height - receives raw coal for Longview via radial stacker RS-2 and sized coal from BC-19, BC-20 and HM-1. An endloader transfers the coal to trucks for shipment to the preparation plant.	950	3,000,000	N	B B B A	TP-31 TP-52 TP-53 TP-43	MD NC NC MD
SC-1	C 7/2014	5 and 8	Double Deck Finlay 693+ Supertrack Portable Screen - receives raw coal from SP-2 and SP-3, classifies it and drops the undersize to SP-5 and the oversize to an over-pile area within SP-5 to then be crushed by HM-1 (see below)	300	3,000,000	PE	B A A	TP-49 TP-50 TP-51	PE PE PE
BC-19	C 7/2014	5 and 8	Belt Conveyor - receives undersize raw coal from SC-1 and transfers it to SP-5 (see above)	300	1,200,000	NC	B A	TP-50 TP-52	PE NC
BC-20	C 7/2014	5 and 8	Belt Conveyor - receives oversize raw coal from SC-1 and transfers it to an over-pile area within SP-5 (see above) and then an endloader transfers it to HM-1	300	1,800,000	NC	B A	TP-51 TP-53	PE NC
HM-1	C 7/2014	5 and 8	Hammermill Crusher Screen Machine Impactor Model 4043 - receives oversize raw coal from an over-pile within SP-5, crushes it and then it drops back onto SP-5 (see above)	500	3,000,000	FE	B A	TP-47 TP-48	PE NC
FB-2	C 11/2009	5 and 8	Stamler Feed/Breaker receives raw coal from endloader/dozer and feeds onto belt conveyor BC-11.	950	3,000,000	FE	B A	TP-37 TP-38	MD PE
BC-11	C 11/2009	5 and 8	42" Belt Conveyor receives raw coal for Longview from feed/breaker FB-2 then transfers to Longview belt conveyor BC-12.	950	3,000,000	PE	B A	TP-38 TP-33	PE FE
Plant Feed Circuit									
SP-3	M 11/2010 C 6/2009	5 and 8	Open Raw Coal Storage Stockpile - maximum 120,000 tons capacity, 128,000 ft² base area and 20' height - receives raw coal to be cleaned via truck. Raw coal is then transferred to bin BS-1 by endloader.	600	5,256,000	N	B A	TP-3 TP-34	MD MD
BS-1	M 7/2009 C 10/2008	5 and 8	Dump Bin - 175 tons capacity - receives raw coal from stockpile SP-3 and transfers to belt conveyor BC-1A.	600	5,256,000	PE-WS	B A	TP-4 TP-5	PE PE
BC-1A	M 7/2009 C 11/2008	5 and 8	36" Belt Conveyor receives raw coal from dump bin BS-1 and transfers to sizer SZ-1	600	5,256,000	PE	B A	TP-5 TP-6	PE FE
SZ-1	M 7/2009 C 12/2008	5 and 8	DR Sizer receives raw coal (8"X0) from belt conveyor BC-1A, sizes (2"X0) then transfers onto belt conveyor BC-2.	600	5,256,000	FE	B A	TP-6 TP-7	FE FE
BC-2	M 7/2009 C 3/2009	5 and 8	36" Belt Conveyor receives raw coal from sizer SZ-1then transfers to preparation plant wet process	600	5,256,000	PE	B A	TP-7 TP-8	FE FE
BS-3	M 7/2009 C 3/2009	5 and 8	Storage Bin for Magnetite - 50 tons capacity - used in the wet wash process	0.3	2,628	FE	N/A	N/A	N/A
SC-1	M 7/2009 C 3/2009	5 and 8	Screw Conveyor receives magnetite from storage bin BS-3 and transfers to wet wash process	0.3	2,628	FE	N/A	N/A	N/A
Clean Coal Circuit									
BC-3	M 7/2009 C 4/2009	5 and 8	36" Belt Conveyor receives clean coal from wet process and transfers to stockpile SP-6	600	5,256,000	PE	B A	TP-9 TP-10	FE MD
SP-6	M 7/2009 C 6/2009	5 and 8	Open Clean Coal Storage Stockpile - maximum 10,000 tons capacity, 10,000 ft² base area and 20' height - receives clean coal from belt conveyor BC-3. Clean coal is then loaded onto trucks by endloader.	600	5,256,000	N	B A	TP-10 TP-11	MD MD
BC-5	M 7/2009 C 1/2009	5 and 8	36" Collection Belt Conveyor receives clean coal from various points within wet process and transfers to radial stacker RS-3	600	5,256,000	PE	B B B B A	TP-15 TP-16 TP-17 TP-19 TP-20	FE FE FE FE PE
RS-3	M 7/2009 C 4/2009	5 and 8	36" Radial Stacker receives clean coal from collection belt conveyor BC-5 and transfers onto stockpile SP-4.	600	5,256,000	PE	B A	TP-20 TP-21	PE MD
SP-4	M 7/2009 C 6/2009	5 and 8	Open Clean Coal Storage Stockpile - maximum 20,000 tons capacity, 70,000 ft² base area and 20' height - receives clean coal from radial stacker RS-3. Clean coal is then loaded onto trucks by endloader.	600	5,256,000	N	B A	TP-21 TP-11	MD MD

Equipment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Description	Maximum Capacity		Control Equipment [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID. No.	Control Equipment [3]
Refuse Circuit									
BC-6	M 7/2009 C 2/2009	5 and 8	36" Refuse Belt Conveyor receives refuse from the Preparation Plant and transfers to belt conveyor BC-7	600	5,256,000	PE	B A	TP-23 TP-24	FE PE
BC-7	M 7/2009 C 5/2009	5 and 8	36" Refuse Belt Conveyor receives refuse from belt conveyor BC-6 and transfers to belt conveyor BC-8 when installed.	600	5,256,000	PE	B A	TP-24 TP-25	PE PE
BC-8	Not Yet Constructed *	5 and 8	36" Refuse Belt Conveyor will receive refuse from belt conveyor BC-7 and transfers to belt conveyor BC-13 when installed. (* Not Yet Constructed in 2014 - belt conveyors will be added as the refuse pile is developed)	600	5,256,000	PE	B A	TP-25 TP-26	PE PE
BC-13	Not Yet Constructed *	5 and 8	36" Refuse Belt Conveyor will receive refuse from belt conveyor BC-8 and transfers to belt conveyor BC-14 when installed. (* Not Yet Constructed in 2014 - belt conveyors will be added as the refuse pile is developed)	600	5,256,000	PE	B A	TP-26 TP-27	PE PE
BC-14	Not Yet Constructed *	5 and 8	36" Refuse Belt Conveyor will receive refuse from belt conveyor BC-13 and transfers to belt conveyor BC-15 when installed. (* Not Yet Constructed in 2014 - belt conveyors will be added as the refuse pile is developed)	600	5,256,000	PE	B A	TP-27 TP-28	PE PE
BC-15	Not Yet Constructed *	5 and 8	36" Refuse Belt Conveyor will receive refuse from belt conveyor BC-14 and transfers to radial stacker RS-4 when installed. (* Not Yet Constructed in 2014 - belt conveyors will be added as the refuse pile is developed)	600	5,256,000	PE	B A	TP-28 TP-39	PE PE
RS-4	M 7/2009 C 5/2009	5 and 8	36" Radial Stacker receives refuse from refuse belt conveyor BC-7 or BC-8 or BC-13 or BC-14 or BC-15 as the belt conveyors are brought into service as the refuse area is developed. Endloaders and trucks will be utilized to develop the refuse area.	600	5,256,000	PE	B A A A	TP-39 TP-40 TP-41 TP-42	PE MD MD MD
BC-17	M 11/2010 C 3/2009	5 and 8	36" Wet belt-press material conveyor receives material from prep plant and transfers onto belt conveyor BC-18	600	5,256,000	PE	A	TP-45	PE
BC-18	C 6/2009	5 and 8	36" Wet belt-press material conveyor receives material from belt conveyor BC-17 and transfers to stockpile SP-8	600	5,256,000	PE	B A	TP-45 TP-46	PE MD
SP-8	C 10/2010	5 and 8	Open Belt-Press Refuse Material Stockpile - maximum 5,000 tons capacity, 10,000 ft^2 base area and 20' height - receives refuse from belt conveyor BC-18. Material is then loaded onto trucks by endloader and taken to the refuse development area.	600	2,628,000	N	B A	TP-46 TP-41	MD MD

[1] In accordance with 40 CFR 60 Subpart Y, coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified after April 28, 2008 shall not discharge gases which exhibit 10 percent opacity or greater. For open storage piles constructed, reconstructed, or modified after May 27, 2009, the permittee shall prepare and operate in accordance with a fugitive coal dust emissions control plan that is appropriate for site conditions.

[2] All registered affected facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

[3] Control Device Abbreviations: FE - Full Enclosure; FW - Full Enclosure with Water Sprays; PE - Partial Enclosure; PW - Partial Enclosure with Water Sprays; WS - Water Sprays; MD - Minimize Drop Height; and NC - No Control.

Emission Limitations

- New Facility-wide Emissions - **Coresco, LLC Maidsville Coal Preparation Plant**	**Maximum Controlled PM Emissions**		**Maximum Controlled PM_{10} Emissions**	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	6.98	30.56	3.28	14.36
Unpaved Haulroad Emissions	414.33	1,074.96	122.29	317.29
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
Fugitive Emissions Total	*421.30*	*1,105.51*	*125.57*	*331.65*
Point Source Emissions				
Equipment Emissions	23.20	97.52	10.90	45.83
Transfer Point Emissions	17.63	52.20	8.34	24.69
Point Source Emissions Total (PTE)	*40.83*	*149.72*	*19.24*	*70.52*
FACILITY EMISSIONS TOTAL	**462.13**	**1,255.23**	**144.81**	**402.17**

Control Devices - *Not Applicable*

Control Device ID No.	Source ID No.	Date Constructed, Reconstructed, or Modified	Emission Unit Description (Make, Model, Serial No., etc.)

Engines - *Not Applicable*

Source ID No.	Emission Source ID No.	Pollutant	Maximum Emissions	
			lb/hour	TPY
Emergency GEN1	Emergency GEN1	Nitrogen Oxides (NO_x)		
		Carbon Monoxide (CO)		
		Volatile Organic Compounds (VOC)		
		Sulfur Dioxide (SO_2)		
		Particulate Matter less than 10 microns (PM_{10})		
		Formaldehyde		

Reciprocating Internal Combustion Engines - *Not Applicable*

Emission Unit ID No.	Emission Unit Description (Make, Model, Serial No., etc.)	Date of Manufacture	Date of Installation	Design Capacity (Bhp/rpm)

Reciprocating Internal Combustion Engines (R.I.C.E.) Information - *Not Applicable*

Emission Unit ID No.	Subject to 40CFR60 Subpart IIII?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)

Storage Tanks

Source ID No.	Status	Content	Design Capacity			Orientation	G50-D Applicable Section(s)
			Volume	Diameter	Throughput		
T-1	Existing	Diesel	2,000	5'	39,240 gallons	Horizontal	10
T-2	Existing	Diesel	8,000	5'	81,500 gallons	Horizontal	10
T-3	Existing	Diesel	8,000	5'	82,310 gallons	Horizontal	10
T-4	Existing	Diesel	5,000	5'	56,460 gallons	Horizontal	10
T-5	Existing	Diesel	1,000	5'	29,150 gallons	Horizontal	10
T-6	Existing	Diesel	500	5'	12,400 gallons	Horizontal	10
T-7	Existing	Gasoline	2,000	5'	23,500 gallons	Horizontal	10